

## ISOLATION OF I2C BUSES IN A MULTIPLE POWER DOMAIN ENVIRONMENT USING SWITCHES

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### ABSTRACT

- 5           A disk enclosure includes a first enclosure controller powered by a first  
voltage circuit and coupled to a first I2C bus, a second enclosure controller  
powered by a second voltage circuit and coupled to a second I2C bus, and a switch  
coupled between the first and the second I2C buses. The first switch de-couples  
the first and the second I2C buses when the voltage output of the second voltage  
10 circuit falls below a predetermined threshold.